

Title (en)

MULTI-PARTITION DYNAMIC BACKLIGHT DRIVING METHOD AND DISPLAY APPARATUS

Title (de)

DYNAMISCHES HINTERGRUNDBELEUCHTUNGSANSTEUERVERFAHREN MIT MEHREREN PARTITIONEN UND ANZEIGEVORRICHTUNG

Title (fr)

PROCÉDÉ DE COMMANDE DE RÉTROÉCLAIRAGE DYNAMIQUE À PARTITIONS MULTIPLES ET APPAREIL D'AFFICHAGE

Publication

**EP 3660830 A1 20200603 (EN)**

Application

**EP 18839023 A 20180629**

Priority

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- CN 2018093847 W 20180629

Abstract (en)

The embodiments of the disclosure discloses a method of driving a multiple-partition dynamic backlight and a display device. In this method, a vertical synchronization signal corresponding to an input image signal is received; a first level signal and a second level signal are outputted alternately in response to a change edge of the vertical synchronization signal, where the total duration of the first level signal and the second level signal is  $1/m$  of the duration between the change edge and a first change edge before the change edge, wherein the change edge and the first change edge before the change edge are change edges of a same changing direction;  $m$  is a positive integer; and the drive chip receives the first level signal and the second level signal and generates a PWM signal according to the first level signal and the second level signal.

IPC 8 full level

**G09G 3/34** (2006.01); **G09G 3/36** (2006.01)

CPC (source: CN EP US)

**G09G 3/3406** (2013.01 - CN EP US); **G09G 5/12** (2013.01 - EP); **H04N 5/04** (2013.01 - CN); **G09G 2320/0626** (2013.01 - EP US); **G09G 2320/064** (2013.01 - EP US); **G09G 2340/0435** (2013.01 - EP US)

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Designated extension state (EPC)

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**US 10796644 B2 20201006**; **US 2018315379 A1 20181101**; CN 107195275 A 20170922; CN 107195275 B 20190906; EP 3660830 A1 20200603; EP 3660830 A4 20200610; EP 3660830 B1 20220706; WO 2019019865 A1 20190131

DOCDB simple family (application)

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